

### AMENDMENTS TO THE CLAIMS

Please amend claims 59 and 66, as shown below. A complete listing of the claims, including their current status, is set forth below.

1. – 58. (Canceled)

59. **(Currently amended)** A retroviral vector comprising a nucleotide sequence encoding a fusion polypeptide capable of undergoing a cyclization reaction to form a cyclic peptide comprising an amino acid sequence of interest, the fusion polypeptide comprising a C-terminal intein domain, a peptide comprising said amino acid sequence of interest, and a N-terminal intein domain.

60. (Previously presented) The retroviral vector of Claim 59, in which the encoded fusion polypeptide has altered splicing activity as compared to a wild-type intein.

61. (Previously presented) The retroviral vector of Claim 59 in which the peptide of interest is a random peptide.

62. (Withdrawn) The retroviral vector of claim 59 in which the peptide of interest is derived from a cDNA library.

63. (Previously presented) The retroviral vector of Claim 59 in which the nucleotide sequence further encodes a reporter protein.

64. (Previously presented) The retroviral vector of Claim 63 in which the reporter protein is a fluorescent protein.

65. **(Currently Amended)** The retroviral vector of Claim 64 in which the fluorescent protein is ~~selected from the group consisting of~~ a green fluorescent protein, a blue fluorescent protein, a yellow fluorescent protein ~~and~~ or a red fluorescent protein.

66. (Withdrawn) The retroviral vector of Claim 63 in which the reporter protein is a transcription factor.

67. (Withdrawn) The retroviral vector of Claim 59 in which the nucleotide sequence further encodes a fusion partner.

68. (Withdrawn) A library of retroviral vectors of Claim 59 in which each vector in the library encodes a different fusion polypeptide.

69. (Withdrawn) The library of Claim 68 in which the peptide of interest of each different fusion polypeptide is different.

70. (Withdrawn) The library of Claim 69 in which the peptide of interest is a random peptide at least 3 amino acids in length.

71. (Withdrawn) The library of Claim 69 or 70 in which the C-terminal and N-terminal intein domains of each of the different fusion polypeptides are the same.

72. (Withdrawn) The library of Claim 69 or 70 in which the C-terminal and N-terminal intein domains of each of the different fusion polypeptides is different.

73. (Withdrawn) The library of Claim 68 in which the amino acid sequence of the C-terminal intein domain of each different fusion polypeptide includes a mutation as compared to the amino acid sequence of a wild-type C-terminal intein domain.

74. (Withdrawn) The library of Claim 68 in which the amino acid sequence of the N-terminal intein domain of each different fusion polypeptide includes a mutation as compared to the amino acid sequence of a wild-type N-terminal intein domain.

75. (Withdrawn) The library of any one of Claims 72 to 74 in which the nucleotide sequence of each vector further encodes a reporter protein.

76. (Withdrawn) The library of Claim 75 in which the reporter protein is a fluorescent protein.

77. (Withdrawn) The library of Claim 76 in which the fluorescent protein is selected from the group consisting of a green fluorescent protein, a blue fluorescent protein, a yellow fluorescent protein and a red fluorescent protein.

78. (Withdrawn) The library of any one of Claims 72 to 74 in which the peptide of interest of each different fusion polypeptide is the same.

79. (Withdrawn) The library of Claim 78 in which the nucleotide sequence of each vector further encodes a reporter protein.

80. (Withdrawn) The library of Claim 79 in which the reporter protein is a fluorescent protein.

81. (Withdrawn) The library of Claim 80 in which the fluorescent protein is selected from the group consisting of a green fluorescent protein, a blue fluorescent protein, a yellow fluorescent protein and a red fluorescent protein.
82. (Withdrawn) A cell comprising the retroviral vector of Claim 59, or progeny thereof.
83. (Withdrawn) The cell of Claim 82 which is a eukaryotic cell.
84. (Withdrawn) The cell of Claim 82 which is a mammalian cell.
85. (Withdrawn) The cell of Claim 84 which is selected from the group consisting of a tumor cell, a liver cell, a hepatocyte, a mast cell and a lymphocyte cell.
86. (Withdrawn) The cell of Claim 84 which is a human cell.